

IN THE CLAIMS

Please amend the claims as follows:

1. (Original) A low-pressure gas discharge lamp equipped with a gas discharge vessel containing, as a buffer gas, an inert gas filling and an indium halogenide, thallium halogenide, gallium halogenide and/or copper halogenides, and with electrodes and means for generating and maintaining a low-pressure gas discharge, characterized in that said low-pressure gas discharge lamp comprises one or more chalcogenides of alkaline earth metals as electron emitter material.
2. (Original) A low-pressure gas discharge lamp as claimed in claim 1, characterized in that the chalcogenide is selected from the group formed by sulphides, selenides and/or tellurides.
3. (Currently amended) A low-pressure gas discharge lamp as claimed in claim ~~1 and 2~~, characterized in that it contains, as a buffer gas, an inert gas selected from the group formed by helium, neon, argon, krypton and xenon.
4. (Currently amended) A low-pressure gas discharge lamp as claimed in ~~claims 1 to 3~~ claim 1, characterized in that the gas discharge vessel comprises a luminophor coating applied to the inside and/or the outside.
5. (Original) The use of one or more chalcogenides of alkaline earth metals as electron emitter material for coating electrodes in discharge lamps.